

WATER WELL RECORD Form WWC-5

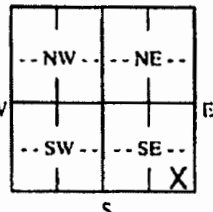
Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID MW-2

1 LOCATION OF WATER WELL: County: Stevens Fraction SE 1/4 SE 1/4 SE 1/4 SE 1/4 Section Number 16 Township Number T 33 S Range Number R 37 E W

2 WELL OWNER: Last Name: Frontier Fuel First: P.O. Box 148 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here:
 Address: P.O. Box 148 520 E. 11th Street, Hugoton, KS 67951
 City: Liberal State: KS ZIP: 67905

3 LOCATE WELL WITH "X" IN SECTION BOX:

 Scale: 1 mile

4 DEPTH OF COMPLETED WELL: 200 ft.
 Depth(s) Groundwater Encountered: 1) ft.
 2) ft. 3) ft. or 4) Dry Well
 WELL'S STATIC WATER LEVEL: 117.96 ft.
 below land surface, measured on (mo-day-yr) 3-9-17
 above land surface, measured on (mo-day-yr)
 Pump test data: Well water was ft. after hours pumping gpm
 Well water was ft. after hours pumping gpm
 Estimated Yield: gpm
 Bore Hole Diameter: 8.5 in. to ft. and in. to ft.

5 Latitude: 37.1702707 (decimal degrees)
Longitude: 101.3394528 (decimal degrees)
 Horizontal Datum: WGS 84 NAD 83 NAD 27
 Source for Latitude/Longitude: GPS (unit make/model: EPOCH)
 (WAAS enabled? Yes No)
 Land Survey Topographic Map
 Online Mapper:

6 Elevation: 3108.65 ft. Ground Level TOC
 Source: Land Survey GPS Topographic Map
 Other

7 WELL WATER TO BE USED AS:

1. Domestic: Household Lawn & Garden Livestock
 Irrigation
 Feedlot
 Industrial

2. Public Water Supply: well ID
 Dewatering: how many wells?
 Aquifer Recharge: well ID
 Monitoring: well ID MW-2
 Environmental Remediation: well ID
 Air Sparge Soil Vapor Extraction
 Recovery Injection

10. Oil Field Water Supply: lease
 11. Test Hole: well ID
 Cased Uncased Geotechnical
 12. Geothermal: how many bores?
 a) Closed Loop Horizontal Vertical
 b) Open Loop Surface Discharge Inj. of Water
 13. Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted:
 Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter 4 in. to 140 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface 6 in. Weight lbs./ft. Wall thickness or gauge No. Sch. 40
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel Fiberglass PVC Other (Specify)
 Brass Galvanized Steel Concrete tile None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify)
 Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole)
 SCREEN-PERFORATED INTERVALS: From 140 ft. to 200 ft., From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 137 ft. to 200 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other concrete 0-1ft
 Grout intervals: From 1 ft. to 137 ft., From ft. to ft., From ft. to ft.
 Nearest source of possible contamination:
 Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage
 Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well
 Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well
 Other (Specify)
 Direction from well? NE Distance from well? 40 ft.

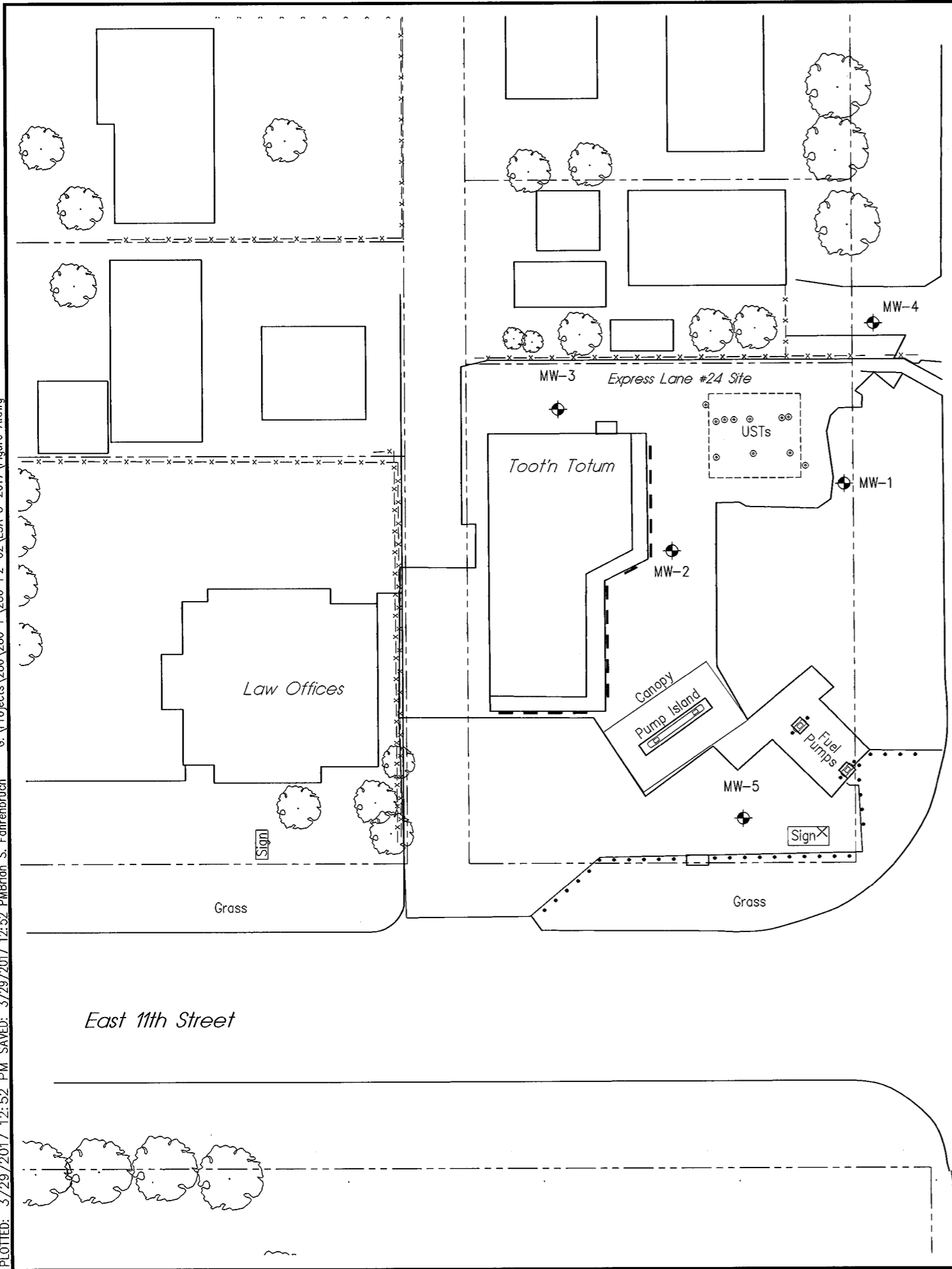
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Concrete	183	189	Sand, trace gravel with clay and caliche
0.5	20	Clayey Silt with sand	189	200	Clay and caliche with trace sand
20	66	Sand			
66	70	Sand, gravelly			
70	72	Caliche			
72	86	Sand, gravelly with caliche and clay			
86	100	Clay and caliche with gravelly sand			
100	148	Clay and caliche, trace sand			
148	183	Clay and caliche with sand and gravel			

Notes: Express Lane #24 site; KDHE project code: U1-095-14878

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 3-3-17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 881 This Water Well Record was completed on (mo-day-year) under the business name of Wopler Pump and Well Signature

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524. Visit us at <http://www.kdheks.gov/waterwell/index.html> KSA 82a-1212 Revised 7/10/2015

PLOTTED: 3/29/2017 12:52 PM. SAVED: 3/29/2017 12:52 PM. BRN S. Fahrenbruch
 G:\Projects\286-P2-02\SA 3-2017\Figure A.dwg



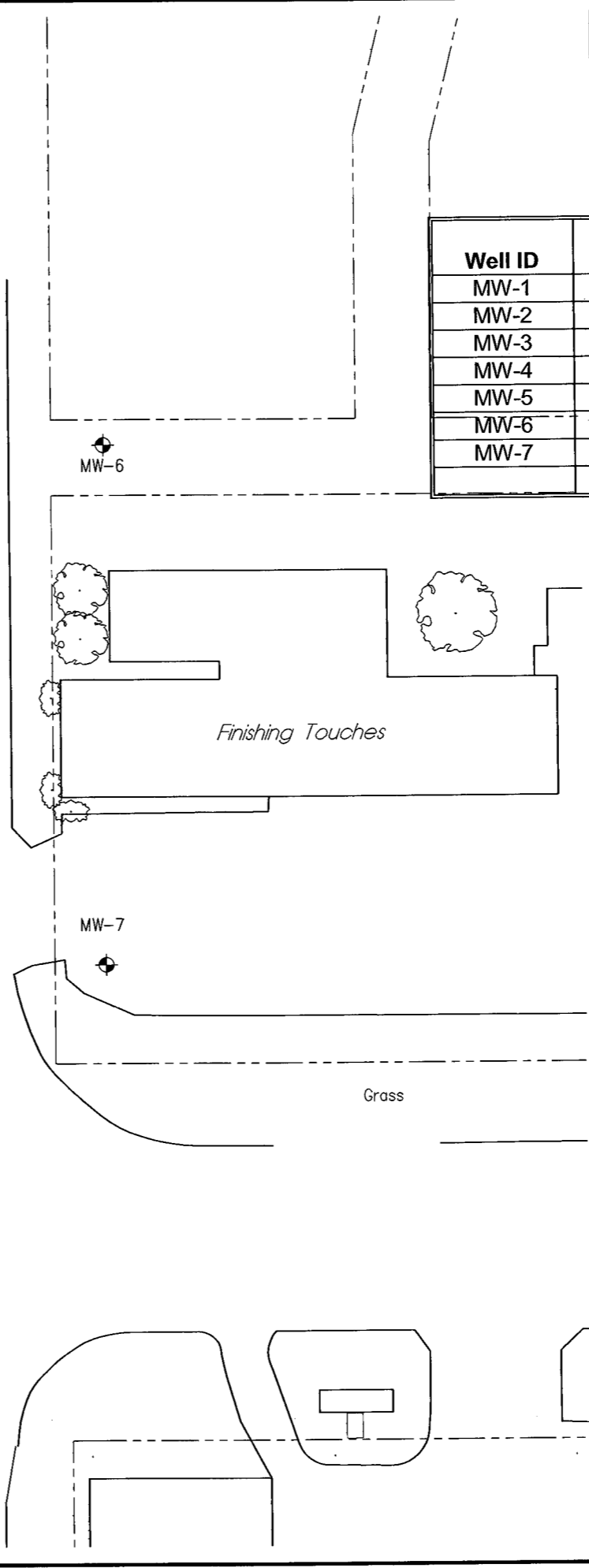
Rd. 13

S. Washington St.

LEGEND

- = MONITOR WELL
- = FENCE
- = TANK BASIN
- = APPROXIMATE ROW LINES

Well ID	Latitude	Longitude
MW-1	37.1703311	101.3392616
MW-2	37.1702707	101.3394528
MW-3	37.1703976	101.3395787
MW-4	37.1704750	101.3392284
MW-5	37.1700310	101.3393749
MW-6	37.1704407	101.3389304
MW-7	37.1700638	101.3389300



SCALE IN FEET

REVISIONS	BY

MILCO
Environmental Services, Inc.
Kearney, NE (808) 237-6923
McCook, NE (808) 345-4741

EXPRESS LANE #24
SITE MAP
 520 E. 11th STREET, HUGOTON, KANSAS - U1-095-14878

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SCALE:	AS SHOWN
PROJECT NO.:	M286-P2-02
DATE:	MARCH, 2017
FIELD BOOK:	M&A DWG NO.
DRAWN BY:	APRVD BY:
BSF	
SHEET	

FIGURE A